

Name: \_\_\_\_\_

Date: \_\_\_\_\_

## Solving Inequalities Using Addition & Subtraction

1. To solve and graph an inequality, use \_\_\_\_\_ operations to isolate the variable, just as you would solve an \_\_\_\_\_.
2. The inverse operation of \_\_\_\_\_ is subtraction.
3. The inverse operation of \_\_\_\_\_ is addition.
4. When graphing an inequality where the number is a solution, use a \_\_\_\_\_ circle.
5. When graphing an inequality where the number is not a solution, use an \_\_\_\_\_ circle.
6. The \_\_\_\_\_ states that when you add the same number to each side of an inequality the inequality remains true.
7. The \_\_\_\_\_ states that when you subtract the same number to each side of an inequality the inequality remains true.
8. To check your inequality solution set, choose any number that is \_\_\_\_\_ in.
9. Then \_\_\_\_\_ the inequality with that number to make sure the inequality is true.
10. Solve and graph the inequality. Don't forget to check your

$$g + 2 < 5$$

Check:

